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CLAIMS

1.- Coupling device for joining a first body with a second body according to a joint plane wherein said device comprises a projection (1) integral with said first body and a cavity (7) integral with said second body, where said projection (1) has a first alignment surface (3) and said cavity (7) has an alignment member (9) characterised in that said alignment member (9) forces said alignment surface (3) to move towards an alignment point (5) defined in said joint plane, where said alignment surface (3) attains said alignment point (5).

2.- Coupling device according to claim 1, characterised in that said alignment surface (3) has a point of minimum height, with respect to said joint plane, which coincides with said alignment point (5) or which is on the same vertical, with respect to the joint plane, as said alignment point (5).

3.- Coupling device according to one of claims 1 or 2, characterised in that said alignment surface (3) defines at least two lines of maximum inclination which meet at said alignment point (5).

4.- Coupling device according to at least one of claims 1 to 3, characterised in that said projection (1) is suitable for being snap-fitted in said cavity (7) which is to say that said projection (1) is suitable for being introduced in said cavity (7) overcoming a certain entrance resistance, and is not suitable for being extracted from said cavity (7) without overcoming a certain exit resistance.

5.- Coupling device according to claim 4, characterised in that said snap-fitting is reversible.

6.- Coupling device according to one of claims 4 or 5, characterised in that said alignment member (9) is suitable for being placed in a first snap-fitting position and in a second alignment position.

7.- Coupling device according to at least one of claims 1 to 6, characterised in that said alignment member (9) comprises a head (11), a threaded body and a spring (13).

8.- Coupling device according to claim 7, characterised in that in said first snap-fitting position said spring (13) exerts its elastic force on said head (11), said head (11) being suitable for moving between an extended position and a constricted position, which allows the reversible snap-fitting, whilst in the second alignment position said threaded body rigidly secures said head (11) in said extended position which forces the alignment member (9) towards the alignment point (5).

9.- Coupling device according to at least one of claims 1 to 8, characterised in that it has a second alignment surface (3) arranged symmetrically, with respect to the joint plane, to the first alignment surface (3).

10.- Coupling device according to at least one of the claims 1 to 9, characterised in that said projection (1) has an inclined surface in its exterior perimeter which facilitates introduction thereof in said cavity (7).

11.- Coupling device according to at least one of claims 1 to 10, characterised in that said alignment surface (3) is a surface of the group formed by pyramid, pyramid frustum, cone and cone frustum surfaces and partial surfaces of the foregoing.

12.- Coupling device according to at least one of claims 7 to 11, characterised in that the head (11) has a shoulder (19) which is suitable for forming a stop with a stop (25) present in the second body such that the movement biased by the spring (13) is limited.

13.- Coupling device according to at least one of claims 7 to 12, characterised in that the spring (13) is completely housed in the interior of a cavity (17) formed between the head (11) and the threaded body.